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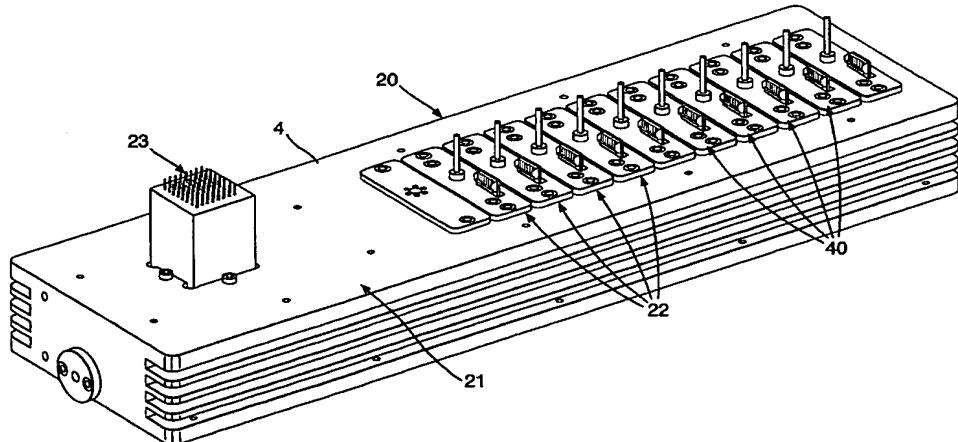
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(54) Title: PARTICLE DETECTION



WO 2005/024393 A1

(57) **Abstract:** Particle detection and characterising apparatus has an insulating tube (50) along which the particles flow. Five electrodes (51, 52, 55, 56) and (57) spaced along the outside of the tube are connected via amplifiers (61) and (62) to a processor (68) arranged to measure the charge on the particles. The apparatus also includes a laser (11) and photomultiplier tube (23) arranged to measure the size of the particles so that the nature of the particles can be characterised from their electrical charge and size.



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